

IN THE CLAIMS:

Please amend the claims to read as follows:

Listing of Claims

1.

2-5. (Canceled).

6. (New) An array antenna base station apparatus comprising:
a notifier that recognizes whether or not a communication is
going to be reopened;

a memory that stores a reception weight calculated during a
previous communication;

a demodulator that demodulates a signal transmitted from an
active communication terminal apparatus and obtains a
demodulation signal; and

an adaptive signal processor that performs adaptive signal
processing with the demodulation signal and calculates a
reception weight, multiplies the demodulation signal by said
reception weight, and, during a reopened communication,
multiplies the demodulation signal by the reception weight in the
memory.

7. (New) The array antenna base station apparatus of claim 6, further comprising a decider that decides whether or not the reception weight in the memory is applicable to the adaptive signal processing in the adaptive signal processor in the reopened communication, wherein, when the decider decides that the reception weight in the memory is applicable, the adaptive signal processor performs the adaptive signal processing using said weight in the memory, and, when the decider decides that said reception weight in the memory is not applicable, the adaptive signal processor calculates a new weight.

8. (New) The array antenna base station apparatus of claim 7, further comprising a tracker that measures moving state of the communication terminal apparatus using the reception weight, wherein the decider generates the reception weight in the reopened communication using the reception weight in the memory and the moving state.

9. (New) An array antenna reception method comprising:
demodulating a signal transmitted from a communication terminal apparatus and obtaining a demodulation signal;

performing adaptive signal processing with the demodulation signal and calculating a reception weight during a communication;

multiplying the demodulation signal by the reception weight calculated during the communication;

storing said reception weight in a memory;

recognizing whether or not the communication is going to be reopened; and

multiplying the demodulation signal by the reception weight in the memory during a reopened communication.

10. (New) The array antenna reception method of claim 9, further comprising:

deciding whether or not the reception weight in the memory is applicable to the reopened communication; and

calculating a new reception weight when the reception weight in the memory is decided not to be applicable to the reopened communication.

11. (New) The array antenna reception method of claim 9, further comprising:

measuring moving state of the communication terminal apparatus using the reception weight; and

generating a reception weight in the reopened communication using the reception weight in the memory and the moving state.